

Docket No. RSW920010184US1

CLAIMS:

What is claimed is:

- 1 1. A method in a computer system executing a Web-based
2 application, said method comprising the steps of:
3 associating a priority with each one of a plurality
4 of different types of HTTP requests that are processed by
5 said application; and
6 processing ones of a plurality of HTTP requests that
7 are associated with a higher priority before processing
8 ones of said plurality of HTTP requests that are
9 associated with a lower priority.
- 1 2. The method according to claim 1, further comprising
2 the steps of:
3 establishing a plurality of different priorities;
4 and
5 determining one of said plurality of different
6 priorities associated with said type of each of said
7 plurality of HTTP requests.
- 1 3. The method according to claim 2, further comprising
2 the steps of:
3 establishing a plurality of different queues; and
4 associating each one of said plurality of different
5 queues with a different one of said plurality of
6 priorities.

1 4. The method according to claim 3, further comprising
2 the steps of:

3 storing said plurality of HTTP requests in said
4 plurality of queues;

5 ones of said plurality of HTTP requests that are
6 associated with a first one of said plurality of
7 priorities being stored in a first one of said plurality
8 of queues, wherein said first one of said plurality of
9 queues being associated with said first one of said
10 plurality of priorities; and

11 ones of said plurality of HTTP requests that are
12 associated with a second one of said plurality of
13 priorities being stored in a second one of said plurality
14 of queues, wherein said second one of said plurality of
15 queues being associated with said second one of said
16 plurality of priorities.

1 5. The method according to claim 1, further comprising
2 the steps of:

3 receiving said plurality of HTTP requests by said
4 application; and

5 determining a priority associated with a type of
6 each one of said plurality of HTTP requests.

1 6. The method according to claim 1, further comprising
2 the steps of:

3 receiving one of said plurality of HTTP requests by
4 said application;

Docket No. RSW920010184US1

5 determining whether there is a backlog of pending
6 requests waiting to be processed by said application;
7 in response to a determination that there is no
8 backlog, immediately processing said one of said
9 plurality of HTTP requests;
10 in response to a determination that there is a
11 backlog, determining a type of said one of said plurality
12 of requests;
13 identifying a priority associated with said type;
14 identifying one of a plurality of queues that is
15 associated with said priority; and
16 storing said one of said plurality of requests in
17 said identified one of said plurality of queues.

1 7. The method according to claim 1, further comprising
2 the steps of:
3 establishing a plurality of different queues;
4 associating each one of said plurality of different
5 queues with a different one of a plurality of priorities;
6 and
7 processing requests stored in one of said plurality
8 of queues that is associated with a first priority before
9 processing requests stored in one of said plurality of
10 queues that is associated with a second priority.

1 8. The method according to claim 7, further comprising
2 the steps of:

Docket No. RSW920010184US1

3 storing ones of said plurality of requests having a
4 type associated with a high priority in one of said
5 plurality of queues that is associated with said high
6 priority;

7 storing ones of said plurality of requests having a
8 type associated with a low priority in one of said
9 plurality of queues that is associated with said low
10 priority; and

11 processing said ones of said plurality of requests
12 stored in said one of said plurality of queues that is
13 associated with said high priority before processing said
14 ones of said plurality of requests stored in said one of
15 said plurality of queues that is associated with a low
16 priority.

1 9. A computer program product in a computer system
2 executing a Web-based application, comprising:

3 instruction means for associating a priority with
4 each one of a plurality of different types of HTTP
5 requests that are processed by said application; and

6 instruction means for processing ones of a plurality
7 of HTTP requests that are associated with a higher
8 priority before processing ones of said plurality of HTTP
9 requests that are associated with a lower priority.

1 10. The product according to claim 9, further
2 comprising:

Docket No. RSW920010184US1

3 instruction means for establishing a plurality of
4 different priorities; and

5 instruction means for determining one of said
6 plurality of different priorities associated with said
7 type of each of said plurality of HTTP requests.

1 11. The product according to claim 10, further
2 comprising:

3 instruction means for establishing a plurality of
4 different queues; and

5 instruction means for associating each one of said
6 plurality of different queues with a different one of
7 said plurality of priorities.

1 12. The product according to claim 11, further
2 comprising:

3 instruction means for storing said plurality of HTTP
4 requests in said plurality of queues;

5 instruction means for ones of said plurality of HTTP
6 requests that are associated with a first one of said
7 plurality of priorities being stored in a first one of
8 said plurality of queues, wherein said first one of said
9 plurality of queues being associated with said first one
10 of said plurality of priorities; and

11 instruction means for ones of said plurality of HTTP
12 requests that are associated with a second one of said
13 plurality of priorities being stored in a second one of
14 said plurality of queues, wherein said second one of said

Docket No. RSW920010184US1

15 plurality of queues being associated with said second one
16 of said plurality of priorities.

1 13. The product according to claim 9, further
2 comprising:

3 instruction means for receiving said plurality of
4 HTTP requests by said application; and

5 instruction means for determining a priority
6 associated with a type of each one of said plurality of
7 HTTP requests.

1 14. The product according to claim 9, further
2 comprising:

3 instruction means for receiving one of said
4 plurality of HTTP requests by said application;

5 instruction means for determining whether there is a
6 backlog of pending requests waiting to be processed by
7 said application;

8 instruction means responsive to a determination that
9 there is no backlog, for immediately processing said one
10 of said plurality of HTTP requests;

11 instruction means responsive to a determination that
12 there is a backlog, for determining a type of said one of
13 said plurality of requests;

14 instruction means for identifying a priority
15 associated with said type;

16 instruction means for identifying one of a plurality
17 of queues that is associated with said priority; and

2025-09-20 09:20:00

Docket No. RSW920010184US1

18 instruction means for storing said one of said
19 plurality of requests in said identified one of said
20 plurality of queues.

1 15. The product according to claim 9, further
2 comprising:

3 instruction means for establishing a plurality of
4 different queues;

5 instruction means for associating each one of said
6 plurality of different queues with a different one of a
7 plurality of priorities; and

8 instruction means for processing requests stored in
9 one of said plurality of queues that is associated with a
10 first priority before processing requests stored in one
11 of said plurality of queues that is associated with a
12 second priority.

1 16. The product according to claim 15, further
2 comprising:

3 instruction means for storing ones of said plurality
4 of requests having a type associated with a high priority
5 in one of said plurality of queues that is associated
6 with said high priority;

7 instruction means for storing ones of said plurality
8 of requests having a type associated with a low priority
9 in one of said plurality of queues that is associated
10 with said low priority; and

Docket No. RSW920010184US1

11 instruction means for processing said ones of said
12 plurality of requests stored in said one of said
13 plurality of queues that is associated with said high
14 priority before processing said ones of said plurality of
15 requests stored in said one of said plurality of queues
16 that is associated with a low priority.

1 17. A computer system executing a Web-based application,
2 comprising:

3 a priority being associated with each one of a
4 plurality of different types of HTTP requests that are
5 processed by said application; and

6 said system including a CPU executing code for
7 processing ones of a plurality of HTTP requests that are
8 associated with a higher priority before processing ones
9 of said plurality of HTTP requests that are associated
10 with a lower priority.

1 18. The system according to claim 17, further
2 comprising:

3 a plurality of different priorities; and

4 said CPU executing code for determining one of said
5 plurality of different priorities associated with said
6 type of each of said plurality of HTTP requests.

1 19. The system according to claim 18, further
2 comprising:

3 a plurality of different queues; and

Docket No. RSW920010184US1

4 said CPU executing code for associating each one of
5 said plurality of different queues with a different one
6 of said plurality of priorities.

1 20. The system according to claim 19, further
2 comprising:

3 said plurality of HTTP requests being stored in said
4 plurality of queues;

5 ones of said plurality of HTTP requests that are
6 associated with a first one of said plurality of
7 priorities being stored in a first one of said plurality
8 of queues, wherein said first one of said plurality of
9 queues being associated with said first one of said
10 plurality of priorities; and

11 ones of said plurality of HTTP requests that are
12 associated with a second one of said plurality of
13 priorities being stored in a second one of said plurality
14 of queues, wherein said second one of said plurality of
15 queues being associated with said second one of said
16 plurality of priorities.

1 21. The system according to claim 17, further
2 comprising:

3 said plurality of HTTP requests being received by
4 said application; and

5 a priority associated with a type of each one of
6 said plurality of HTTP requests being determined.

Docket No. RSW920010184US1

1 22. The system according to claim 17, further
2 comprising:
3 one of said plurality of HTTP requests being
4 received by said application;
5 said CPU executing code for determining whether
6 there is a backlog of pending requests waiting to be
7 processed by said application;
8 in response to a determination that there is no
9 backlog, said one of said plurality of HTTP requests
10 being immediately processed;
11 in response to a determination that there is a
12 backlog, a type of said one of said plurality of requests
13 being determined;
14 a priority associated with said type being
15 identified;
16 one of a plurality of queues that is associated with
17 said priority being identified; and
18 said one of said plurality of requests being stored
19 in said identified one of said plurality of queues.

1 23. The system according to claim 17, further
2 comprising:
3 a plurality of different queues;
4 each one of said plurality of different queues being
5 associated with a different one of a plurality of
6 priorities; and
7 requests stored in one of said plurality of queues
8 that is associated with a first priority being processed

Docket No. RSW920010184US1

9 before processing requests stored in one of said
10 plurality of queues that is associated with a second
11 priority.

1 24. The system according to claim 23, further
2 comprising:

3 ones of said plurality of requests having a type
4 associated with a high priority being stored in one of
5 said plurality of queues that is associated with said
6 high priority;

7 ones of said plurality of requests having a type
8 associated with a low priority being stored in one of
9 said plurality of queues that is associated with said low
10 priority; and

11 said ones of said plurality of requests stored in
12 said one of said plurality of queues that is associated
13 with said high priority being processed before said ones
14 of said plurality of requests stored in said one of said
15 plurality of queues that is associated with a low
16 priority are processed.

2025 RELEASE UNDER E.O. 14176